

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011316\
 Data File : BF084457.D
 Acq On : 13 Jan 2016 22:32
 Operator : SJ/UM
 Sample : H1083-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-15-010516

Quant Time: Jan 14 11:14:05 2016
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 04 12:22:40 2016
 Response via : Initial Calibration

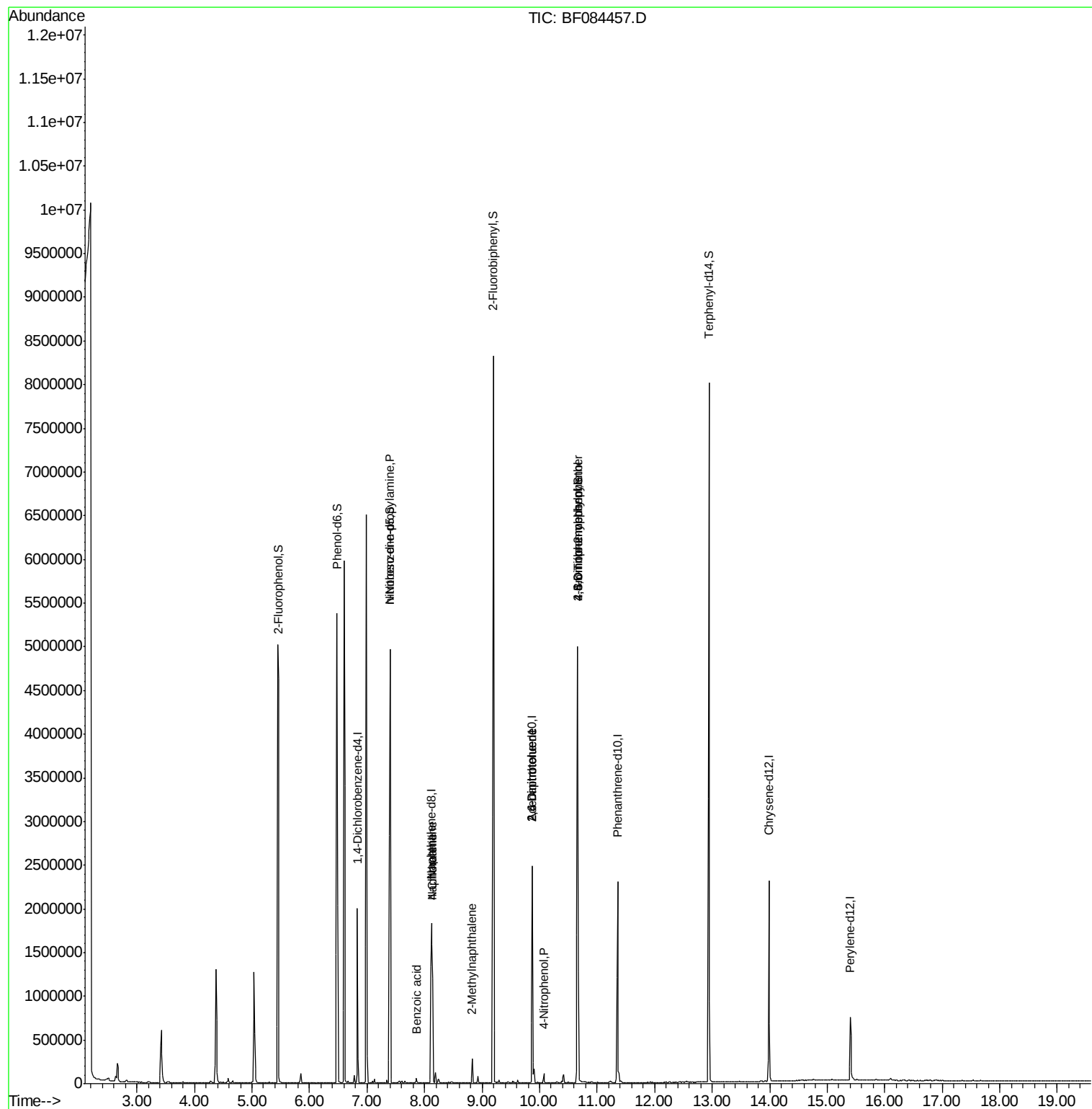
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.83	152	261223	20.00	ng	-0.07
21) Naphthalene-d8	8.12	136	1085056	20.00	ng	-0.07
38) Acenaphthene-d10	9.87	164	483283	20.00	ng	-0.08
63) Phenanthrene-d10	11.36	188	962541	20.00	ng	-0.07
75) Chrysene-d12	13.99	240	789269	20.00	ng	-0.08
86) Perylene-d12	15.40	264	309524	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	2033319	125.90	ng	-0.03
7) Phenol-d6	6.48	99	2193314	108.13	ng	-0.06
23) Nitrobenzene-d5	7.40	82	1859327	95.37	ng	-0.07
41) 2,4,6-Tribromophenol	10.66	330	699227	143.31	ng	-0.08
44) 2-Fluorobiphenyl	9.20	172	2591393	95.08	ng	-0.07
78) Terphenyl-d14	12.95	244	2638313	74.62	ng	-0.07
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.40	70	262759	19.14	ng	# 74
31) Naphthalene	8.13	128	956485	19.43	ng	# 99
32) Benzoic acid	7.86	122	1953	6.39	ng	# 78
33) 4-Chloroaniline	8.13	127	128887	5.71	ng	# 30
37) 2-Methylnaphthalene	8.83	142	71401	2.02	ng	# 99
50) 2,6-Dinitrotoluene	9.87	165	64283	8.48	ng	# 38
54) Dibenzofuran	10.08	168	45944	Below Cal		# 94
55) 4-Nitrophenol	10.08	139	16352	2.40	ng	# 11
56) 2,4-Dinitrotoluene	9.87	165	64285	6.70	ng	# 22
57) Fluorene	10.42	166	31485	Below Cal		# 99
64) 4,6-Dinitro-2-methylphenol	10.66	198	1510	6.61	ng	# 1
66) 4-Bromophenyl-phenylether	10.66	248	43642	4.21	ng	# 1
73) Di-n-butylphthalate	11.92	149	4096	Below Cal		# 95

(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 14 11:14:05 2016
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF123115.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Jan 04 12:22:40 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.83 min Scan# 415

Delta R.T. -0.07 min

Lab File: BF084457.D

Acq: 13 Jan 2016 22:32

Instrument :

BNA_F

ClientSampleId :

HSR-WC-15-010516

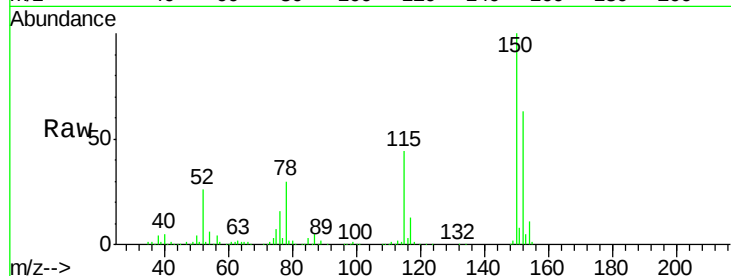
Tot Ion:152 Resp: 261223

Ion Ratio Lower Upper

152 100

150 158.8 123.0 184.4

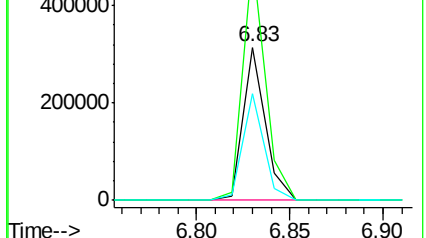
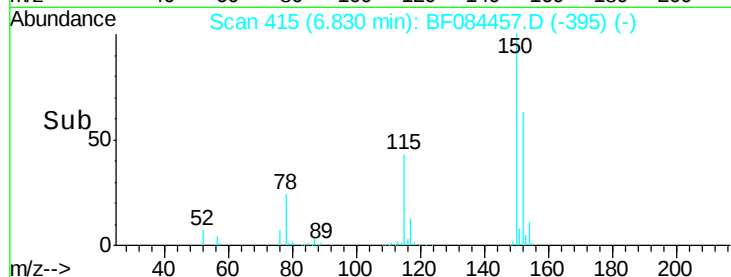
115 69.4 51.4 77.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 125.90 ng

RT: 5.46 min Scan# 295

Delta R.T. -0.03 min

Lab File: BF084457.D

Acq: 13 Jan 2016 22:32

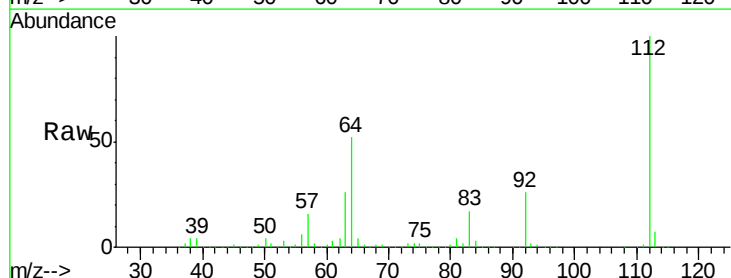
Tgt Ion:112 Resp: 2033319

Ion Ratio Lower Upper

112 100

64 52.5 36.6 55.0

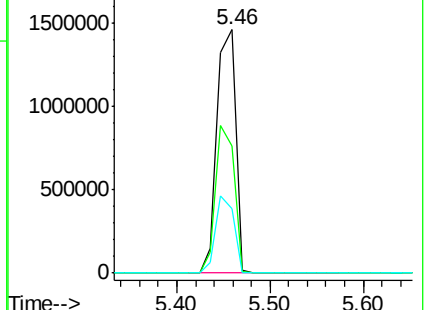
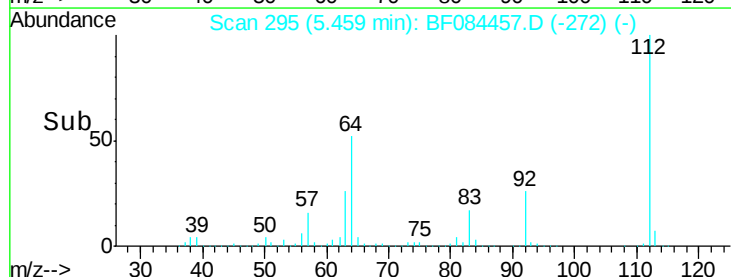
63 26.5 19.4 29.0

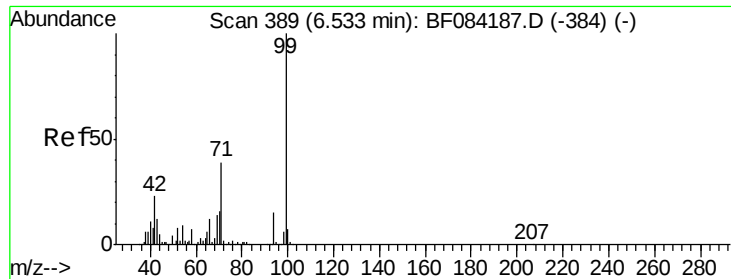


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 108.13 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.06 min

Lab File: BF084457.D

Acq: 13 Jan 2016 22:32

Instrument :

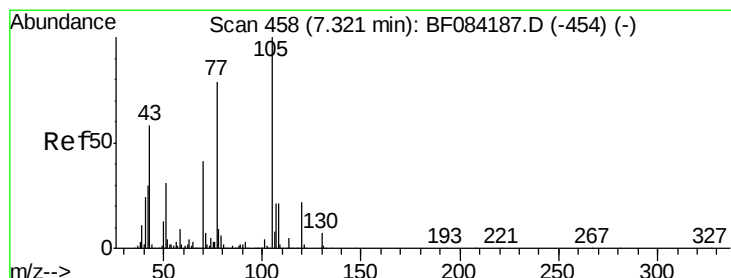
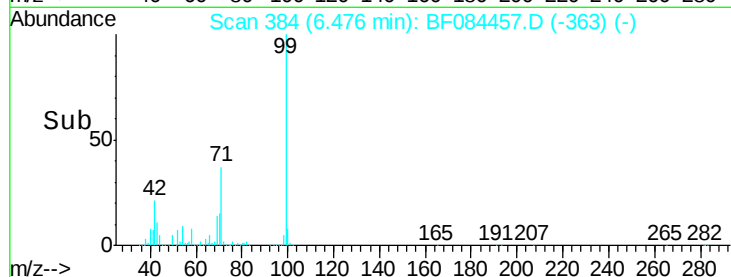
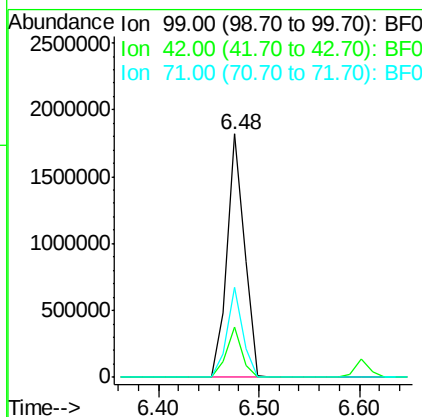
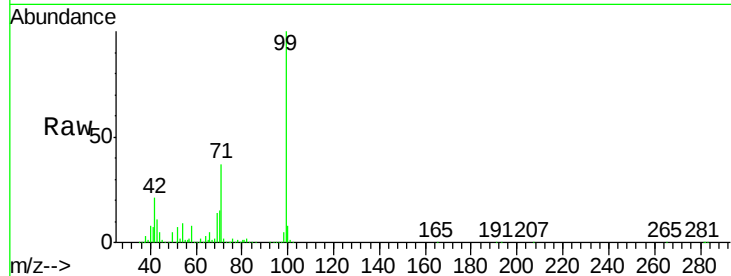
BNA_F

ClientSampleId :

HSR-WC-15-010516

Tot Ion: 99 Resp: 2193314

Ion	Ratio	Lower	Upper
99	100		
42	20.7	12.8	19.2#
71	36.8	30.9	46.3



#19

n-Nitroso-di-n-propylamine

Concen: 19.14 ng

RT: 7.40 min Scan# 465

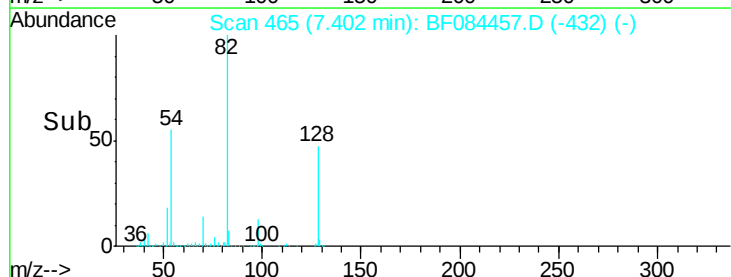
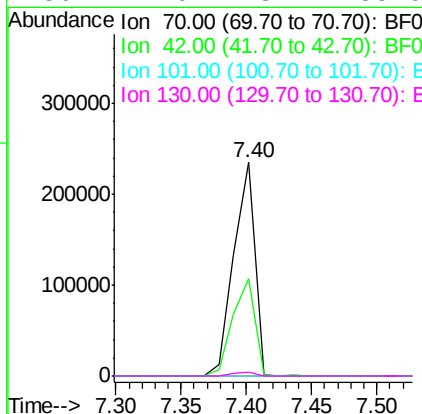
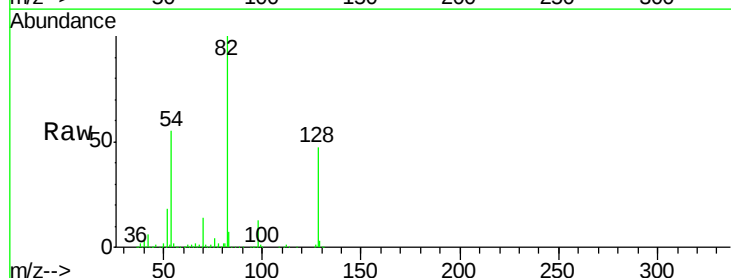
Delta R.T. 0.08 min

Lab File: BF084457.D

Acq: 13 Jan 2016 22:32

Tgt Ion: 70 Resp: 262759

Ion	Ratio	Lower	Upper
70	100		
42	45.8	33.3	49.9
101	0.0	9.3	13.9#
130	2.0	23.4	35.0#





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.12 min Scan# 528

Delta R.T. -0.07 min

Lab File: BF084457.D

Acq: 13 Jan 2016 22:32

Instrument :

BNA_F

ClientSampleId :

HSR-WC-15-010516

Tot Ion:136 Resp: 1085056

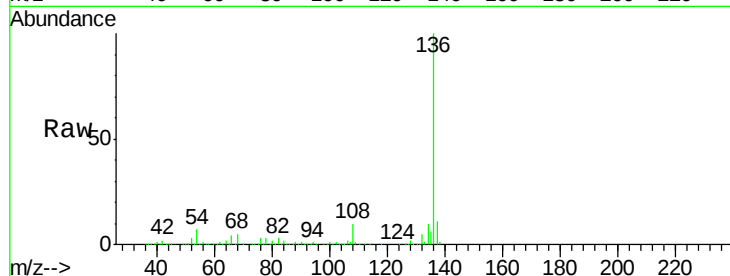
Ion Ratio Lower Upper

136 100

137 10.8 8.7 13.1

54 6.9 5.8 8.8

68 4.6 4.2 6.2

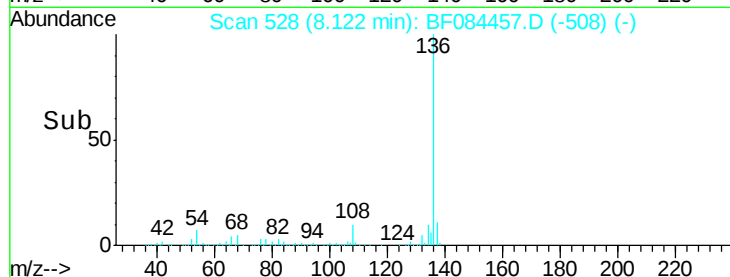
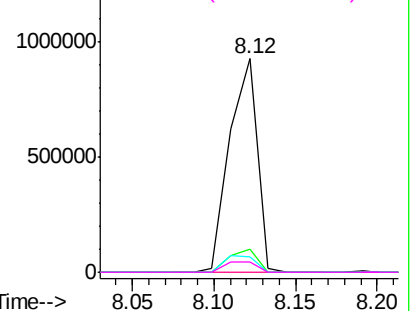


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



#23

Nitrobenzene-d5

Concen: 95.37 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.07 min

Lab File: BF084457.D

Acq: 13 Jan 2016 22:32

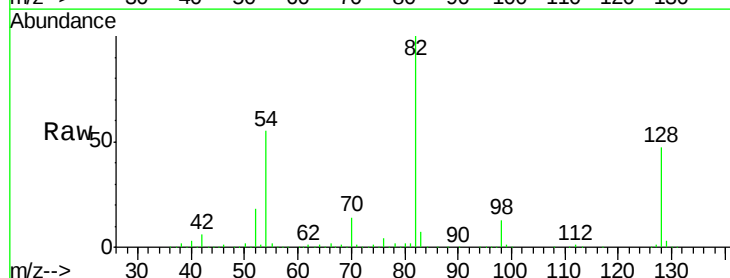
Tgt Ion: 82 Resp: 1859327

Ion Ratio Lower Upper

82 100

128 46.8 34.6 51.8

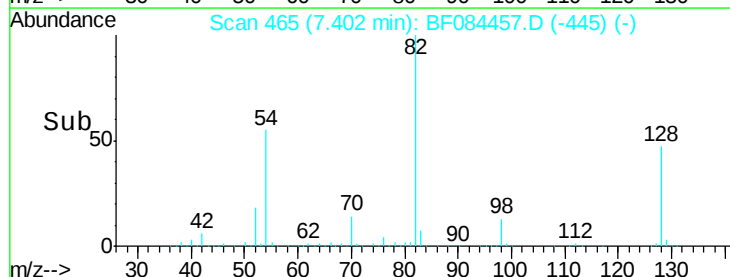
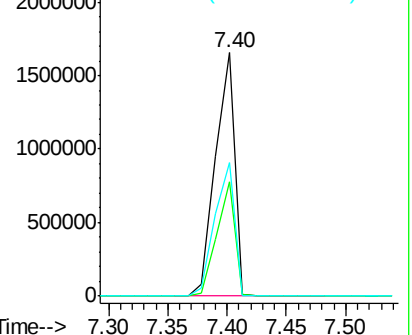
54 54.9 38.4 57.6

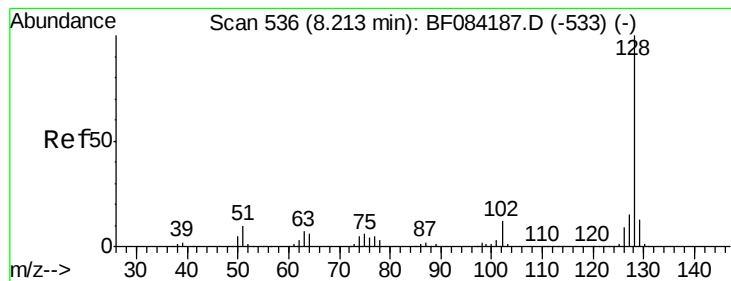


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0





#31

Naphthalene

Concen: 19.43 ng

RT: 8.13 min Scan# 529

Delta R.T. -0.08 min

Lab File: BF084457.D

Acq: 13 Jan 2016 22:32

Instrument :

BNA_F

ClientSampleId :

HSR-WC-15-010516

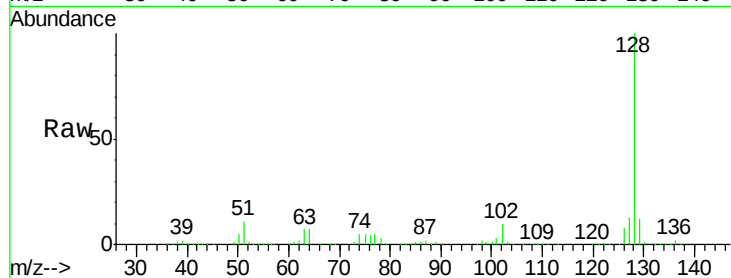
Tot Ion:128 Resp: 956485

Ion Ratio Lower Upper

128 100

129 11.8 9.1 13.7

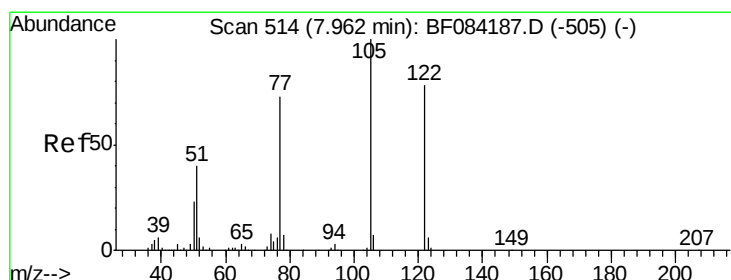
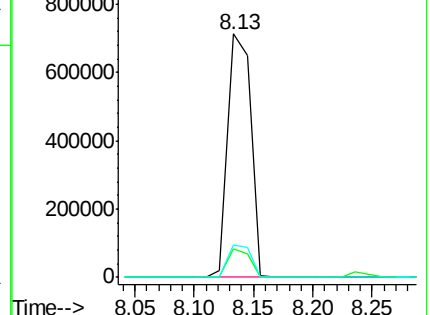
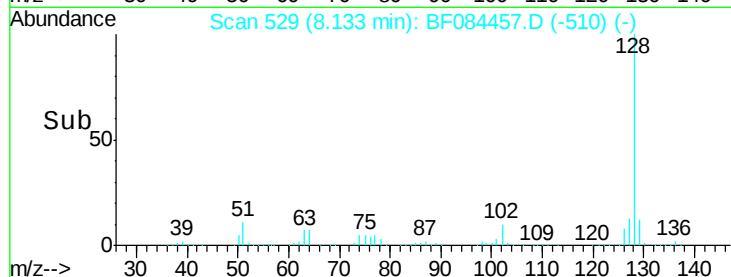
127 13.5 11.1 16.7



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 6.39 ng

RT: 7.86 min Scan# 505

Delta R.T. -0.10 min

Lab File: BF084457.D

Acq: 13 Jan 2016 22:32

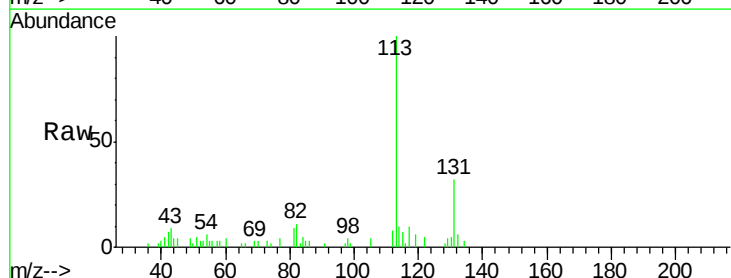
Tgt Ion:122 Resp: 1953

Ion Ratio Lower Upper

122 100

105 84.2 100.3 140.3#

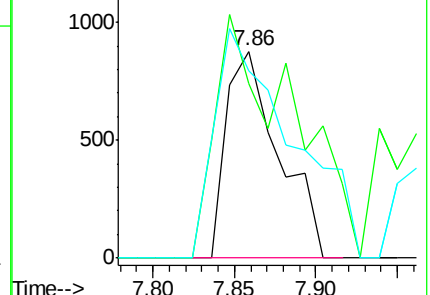
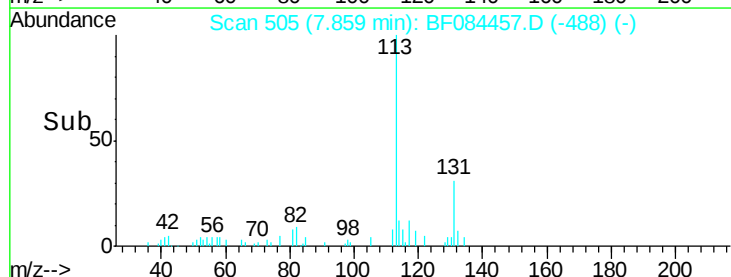
77 90.4 63.5 103.5

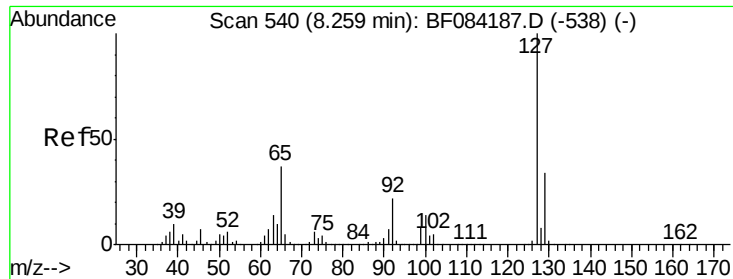


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0

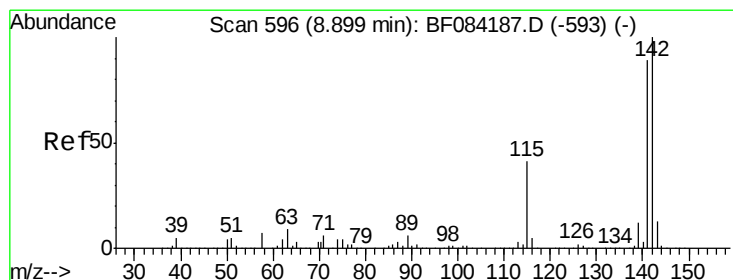
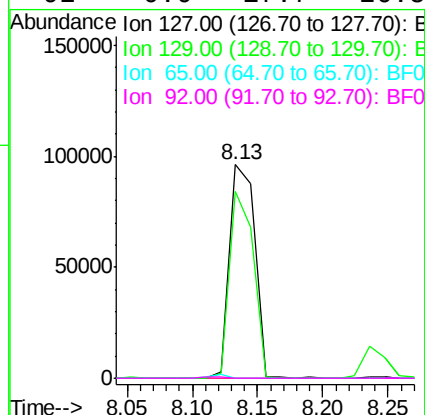
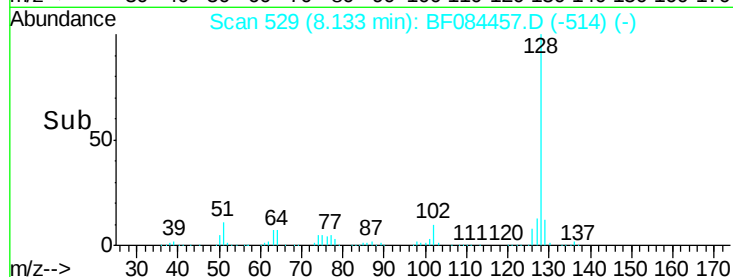
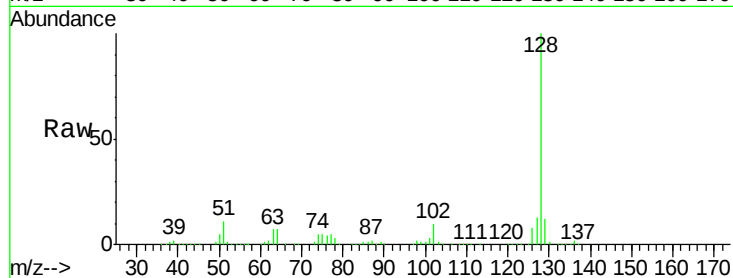




#33
4-Chloroaniline
Concen: 5.71 ng
RT: 8.13 min Scan# 529
Delta R.T. -0.13 min
Lab File: BF084457.D
Acq: 13 Jan 2016 22:32

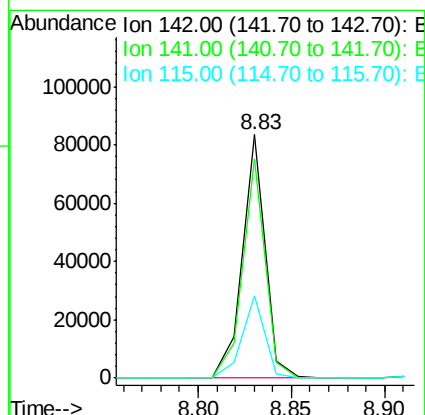
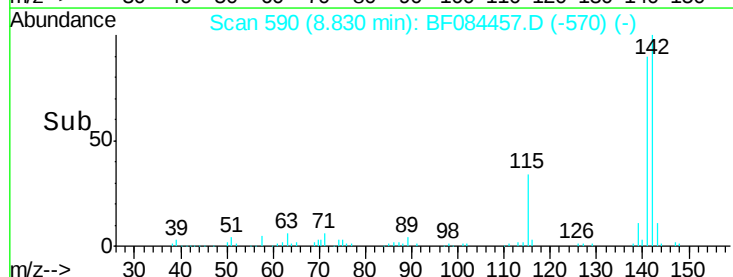
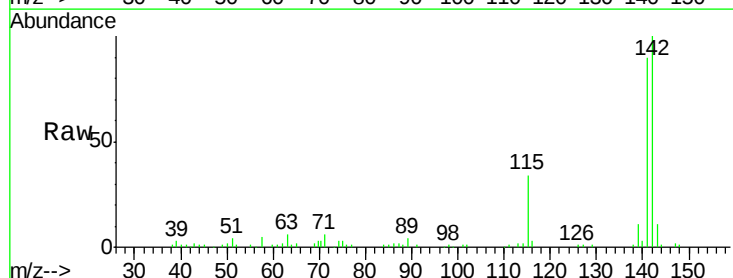
Instrument :
BNA_F
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HSR-WC-15-010516

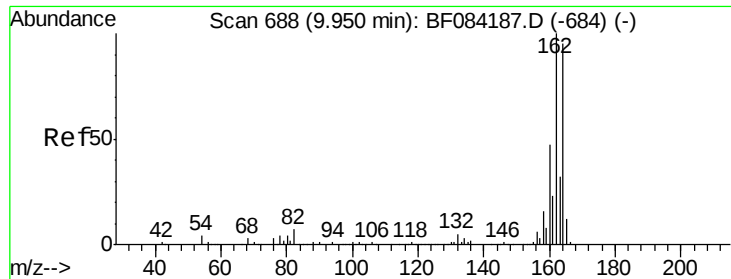
Tot Ion:127	Resp:	128887
Ion Ratio	Lower	Upper
127	100	
129	87.4	26.5 39.7#
65	0.0	27.2 40.8#
92	0.0	17.7 26.5#



#37
2-Methylnaphthalene
Concen: 2.02 ng
RT: 8.83 min Scan# 590
Delta R.T. -0.07 min
Lab File: BF084457.D
Acq: 13 Jan 2016 22:32

Tgt Ion:142	Resp:	71401
Ion Ratio	Lower	Upper
142	100	
141	90.1	72.4 108.6
115	33.6	27.9 41.9





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.08 min

Lab File: BF084457.D

Acq: 13 Jan 2016 22:32

Instrument :

BNA_F

ClientSampleId :

HSR-WC-15-010516

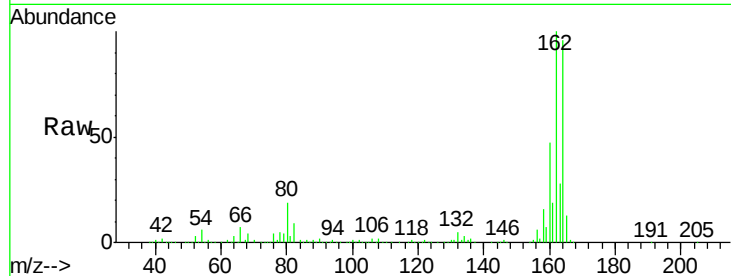
Tot Ion:164 Resp: 483283

Ion Ratio Lower Upper

164 100

162 104.1 85.1 127.7

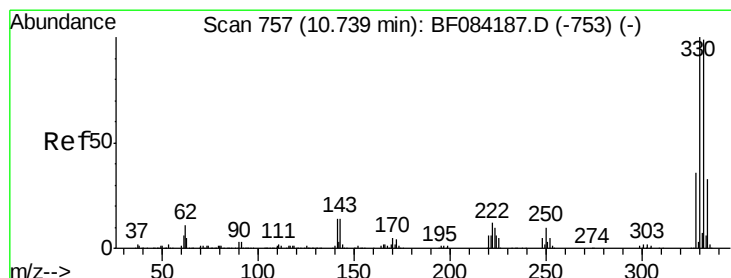
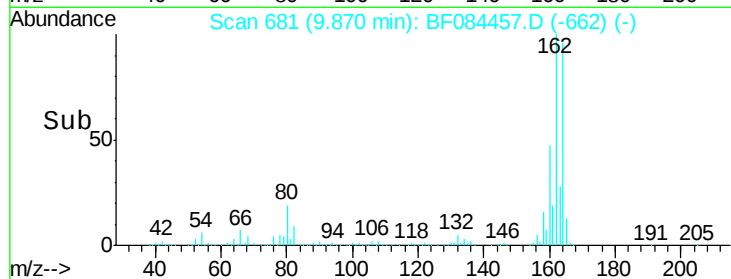
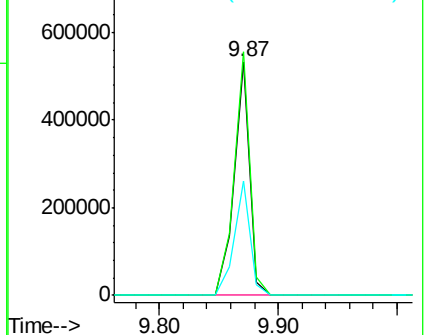
160 48.8 37.5 56.3



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#41

2,4,6-Tribromophenol

Concen: 143.31 ng

RT: 10.66 min Scan# 750

Delta R.T. -0.08 min

Lab File: BF084457.D

Acq: 13 Jan 2016 22:32

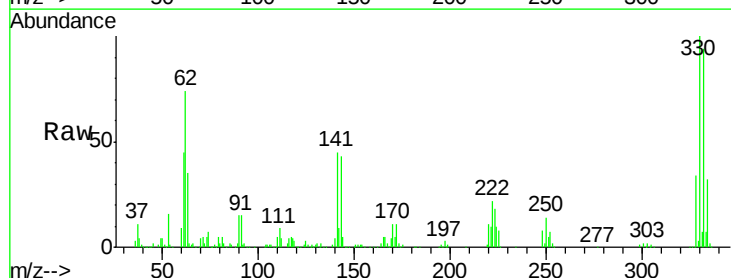
Tgt Ion:330 Resp: 699227

Ion Ratio Lower Upper

330 100

332 96.8 76.6 114.8

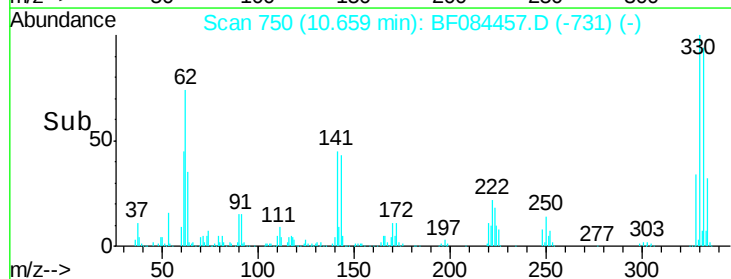
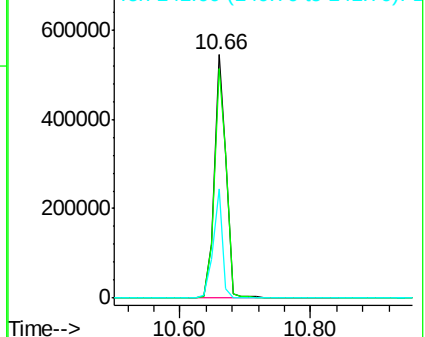
141 35.6 27.8 41.6

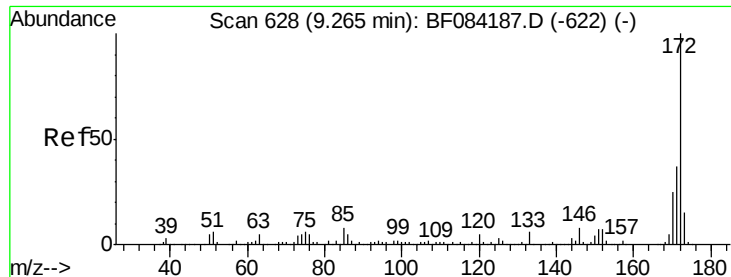


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

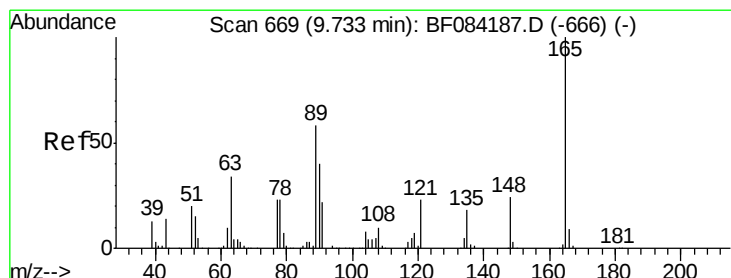
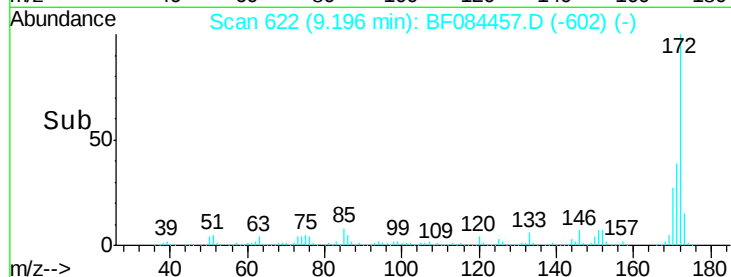
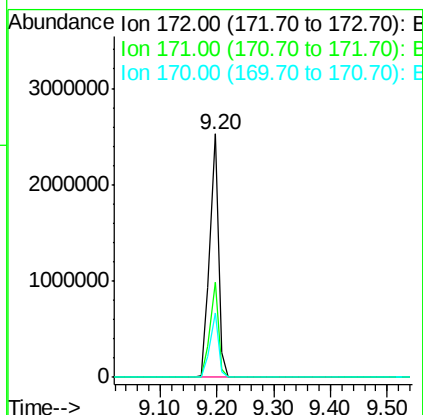
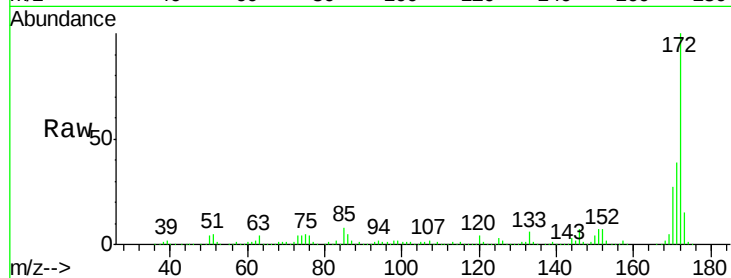




#44
2-Fluorobiphenyl
Concen: 95.08 ng
RT: 9.20 min Scan# 622
Delta R.T. -0.07 min
Lab File: BF084457.D
Acq: 13 Jan 2016 22:32

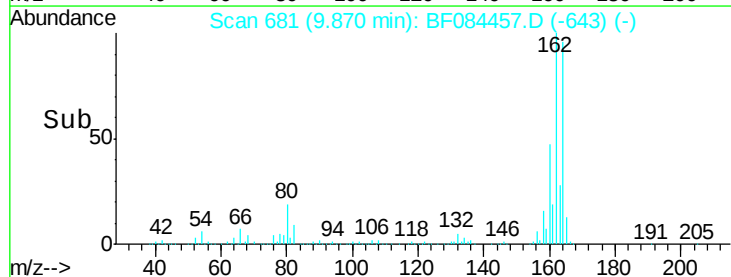
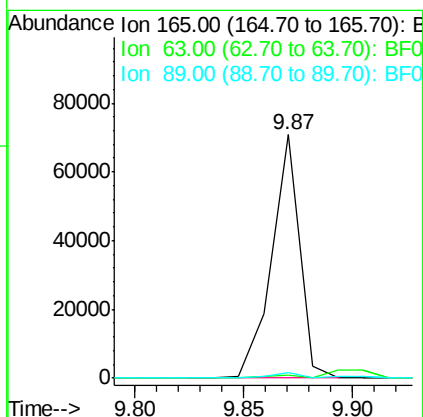
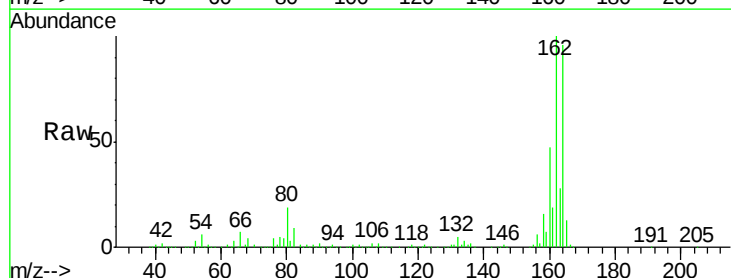
Instrument :
BNA_F
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HSR-WC-15-010516

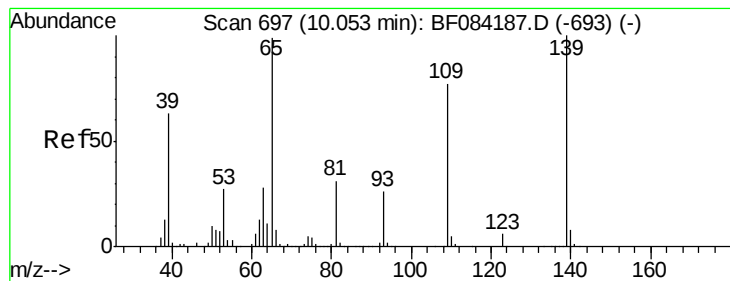
Tot Ion:172 Resp: 2591393
Ion Ratio Lower Upper
172 100
171 39.2 28.9 43.3
170 26.6 18.6 27.8



#50
2,6-Dinitrotoluene
Concen: 8.48 ng
RT: 9.87 min Scan# 681
Delta R.T. 0.14 min
Lab File: BF084457.D
Acq: 13 Jan 2016 22:32

Tgt Ion:165 Resp: 64283
Ion Ratio Lower Upper
165 100
63 1.3 28.8 43.2#
89 2.2 35.1 52.7#





#55

4-Nitrophenol

Concen: 2.40 ng

RT: 10.08 min Scan# 699

Delta R.T. 0.02 min

Lab File: BF084457.D

Acq: 13 Jan 2016 22:32

Instrument :

BNA_F

ClientSampleId :

HSR-WC-15-010516

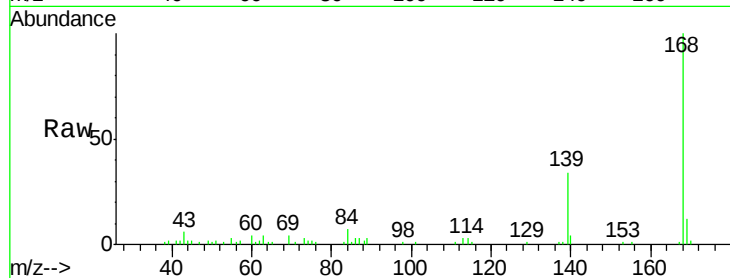
Tot Ion:139 Resp: 16352

Ion Ratio Lower Upper

139 100

109 0.0 58.5 98.5#

65 2.0 57.6 97.6#

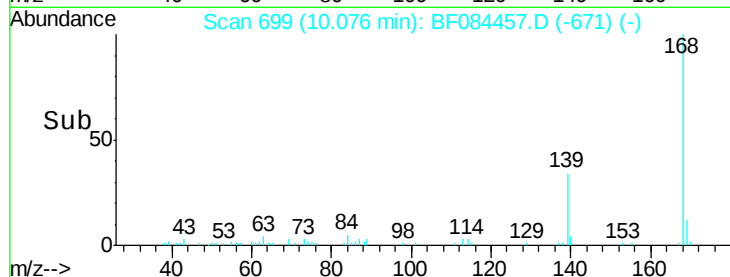


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

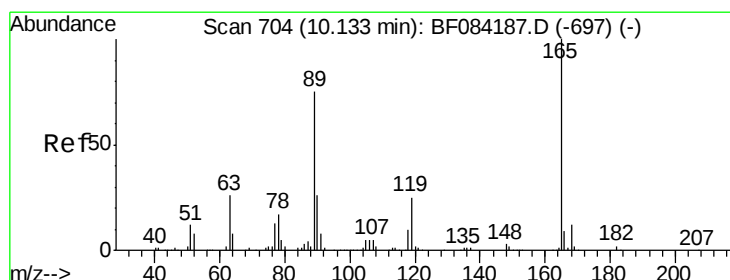
Ion 65.00 (64.70 to 65.70): E

Time-->



10.08

Time-->



#56

2,4-Dinitrotoluene

Concen: 6.70 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.26 min

Lab File: BF084457.D

Acq: 13 Jan 2016 22:32

Tgt Ion:165 Resp: 64285

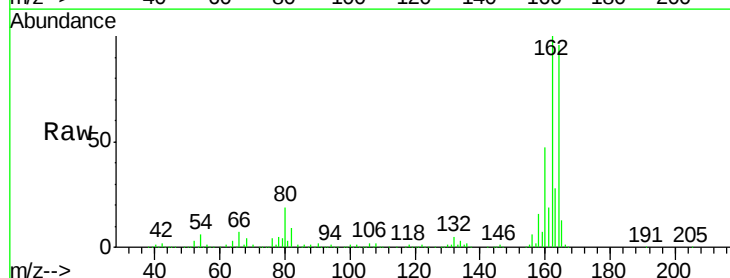
Ion Ratio Lower Upper

165 100

63 1.3 36.7 55.1#

89 2.2 61.9 92.9#

182 0.0 2.0 3.0#



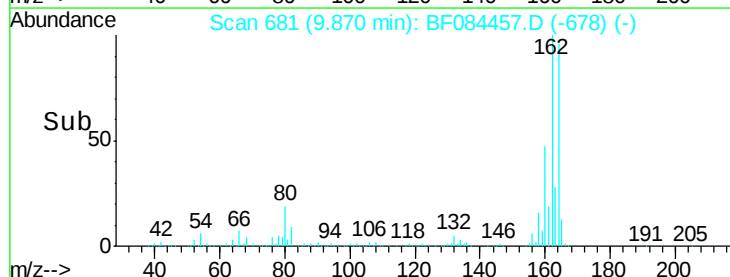
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

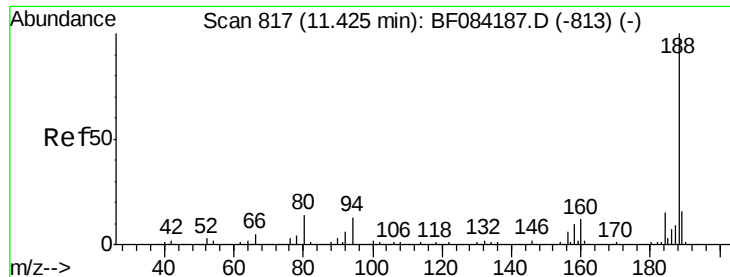
Ion 182.00 (181.70 to 182.70): E

Time-->



9.87

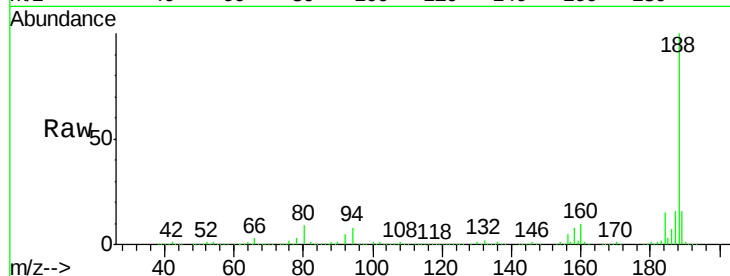
Time-->



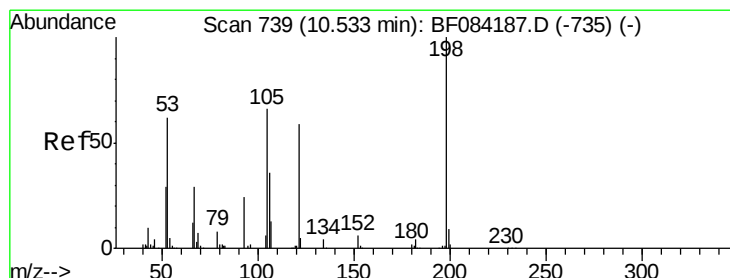
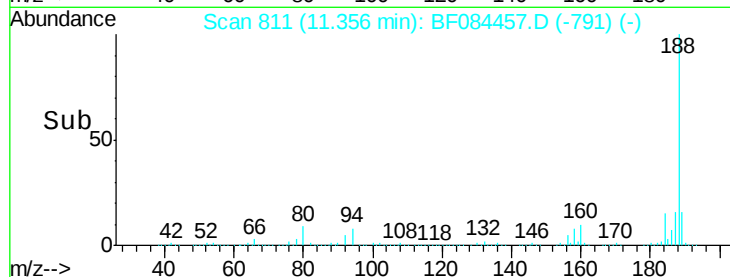
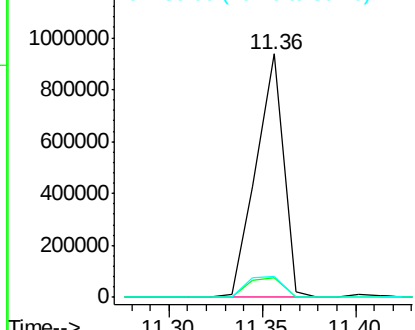
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.07 min
 Lab File: BF084457.D
 Acq: 13 Jan 2016 22:32

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-15-010516

Tot Ion:188 Resp: 962541
 Ion Ratio Lower Upper
 188 100
 94 8.2 9.0 13.4#
 80 8.6 9.6 14.4#

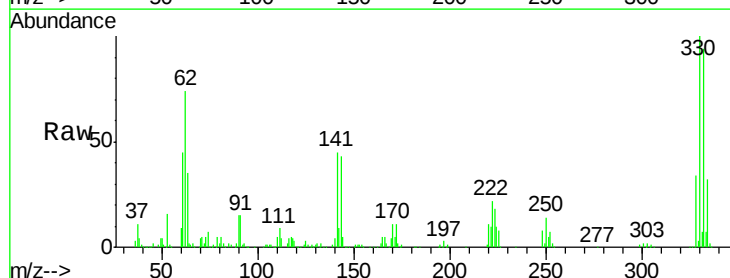


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

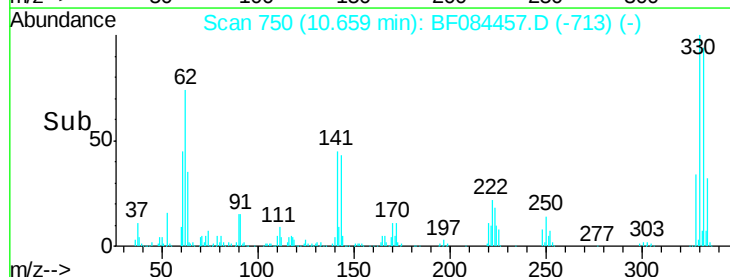
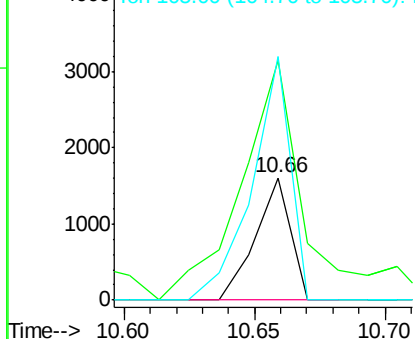


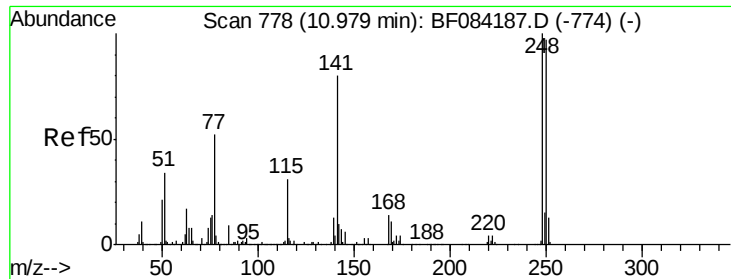
#64
 4,6-Dinitro-2-methylphenol
 Concen: 6.61 ng
 RT: 10.66 min Scan# 750
 Delta R.T. 0.13 min
 Lab File: BF084457.D
 Acq: 13 Jan 2016 22:32

Tgt Ion:198 Resp: 1510
 Ion Ratio Lower Upper
 198 100
 51 196.4 18.9 58.9#
 105 199.1 26.4 66.4#



Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF0
 Ion 105.00 (104.70 to 105.70): E

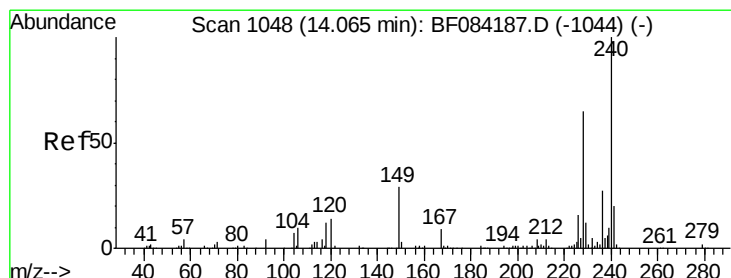
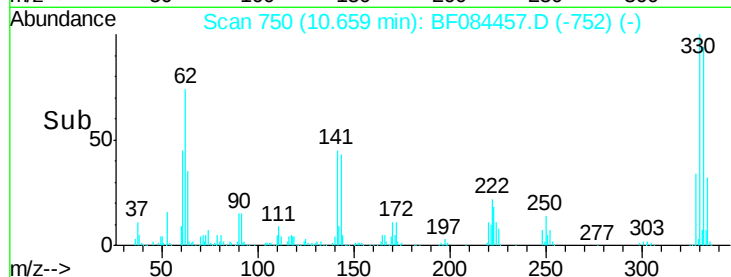
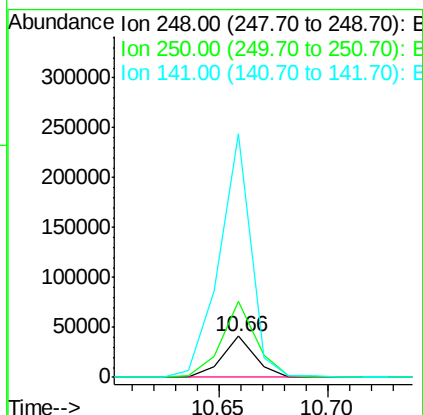
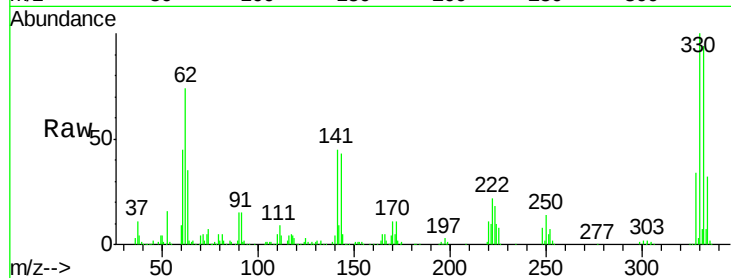




#66
4-Bromophenyl-phenylether
Concen: 4.21 ng
RT: 10.66 min Scan# 750
Delta R.T. -0.32 min
Lab File: BF084457.D
Acq: 13 Jan 2016 22:32

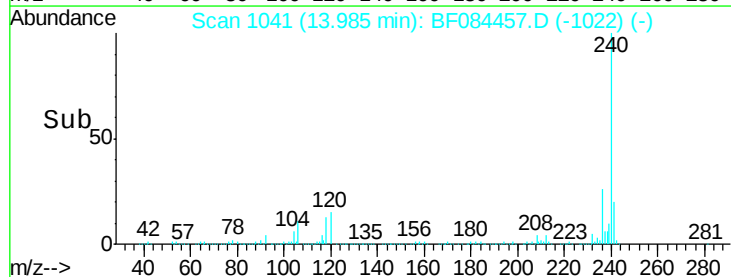
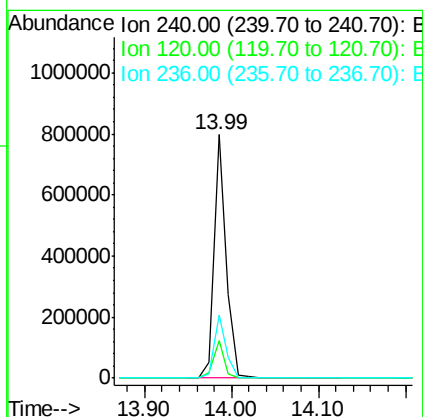
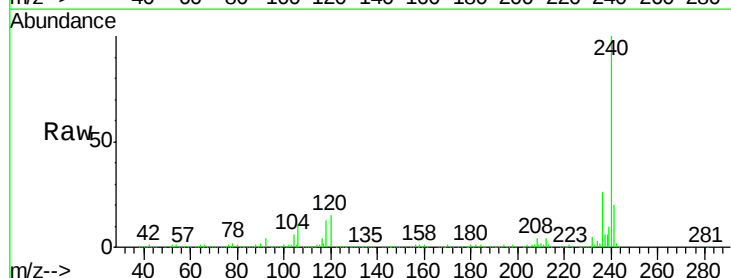
Instrument :
BNA_F
ClientSampleId :
HSR-WC-15-010516

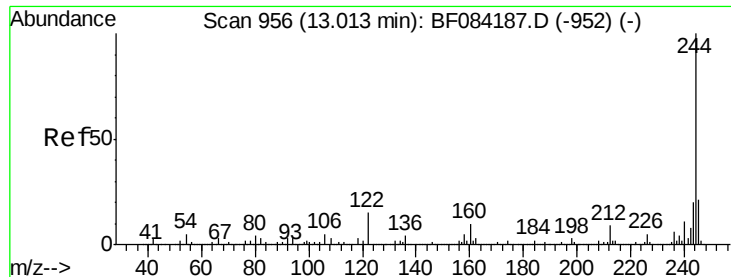
Tot Ion:248 Resp: 43642
Ion Ratio Lower Upper
248 100
250 186.0 78.4 117.6#
141 594.7 44.0 66.0#



#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.99 min Scan# 1041
Delta R.T. -0.08 min
Lab File: BF084457.D
Acq: 13 Jan 2016 22:32

Tgt Ion:240 Resp: 789269
Ion Ratio Lower Upper
240 100
120 15.2 9.5 14.3#
236 25.9 20.6 31.0

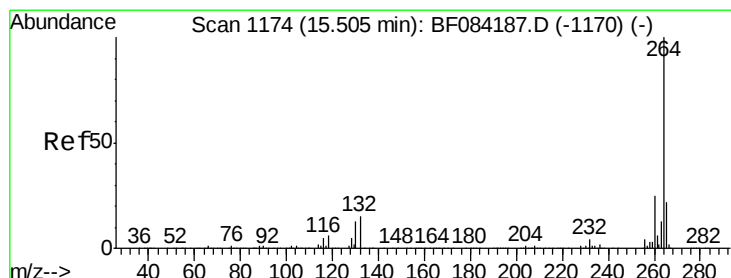
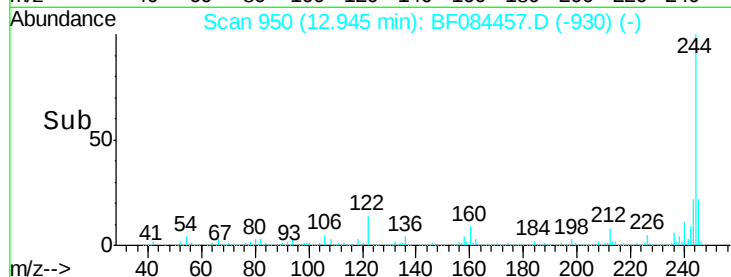
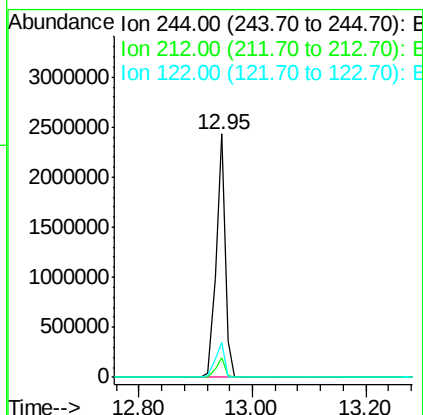
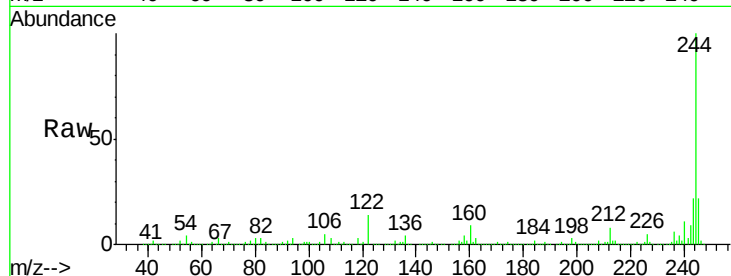




#78
 Terphenyl-d14
 Concen: 74.62 ng
 RT: 12.95 min Scan# 950
 Delta R.T. -0.07 min
 Lab File: BF084457.D
 Acq: 13 Jan 2016 22:32

Instrument :
 BNA_F
 ClientSampleId :
 HSR-WC-15-010516

Tot Ion:244 Resp: 2638313
 Ion Ratio Lower Upper
 244 100
 212 8.3 5.7 8.5
 122 14.4 7.4 11.0#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.40 min Scan# 1165
 Delta R.T. -0.10 min
 Lab File: BF084457.D
 Acq: 13 Jan 2016 22:32

Tgt Ion:264 Resp: 309524
 Ion Ratio Lower Upper
 264 100
 260 25.3 19.4 29.2
 265 21.7 17.8 26.6

